
Iowa Legislative Fiscal Bureau

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State Capitol
Des Moines, IA 50319
October 13, 1995

Iowa Communications Network Part III Implementation

ISSUE

Review legislation passed during the 1995 Legislative Session regarding implementation of Part III of the Iowa Communications Network (ICN).

AFFECTED AGENCIES

Iowa Telecommunications and Technology Commission

Department of Education - Iowa Public Television

University of Northern Iowa

Department of Public Defense

K-12 Public Schools

CODE AUTHORITY

Chapter 8D, Code of Iowa

House File 578, ICN Part III Appropriations Act

BACKGROUND

The Iowa Communications Network (ICN) was created by the 1989 General Assembly as a fiber optic "highway" capable of carrying all forms of communications traffic, including voice, distance education, telemedicine, government information and services, and computer network data. Fiber optics converts voice, video, and data signals into digital light impulses which are transmitted over hair-thin glass fibers.

The installation of the ICN began in 1991 as a three-part project.

- Part I consists of 20 connection sites. These include 15 regional centers located at each of the community colleges throughout the State, the three Regents universities, Iowa Public Television, and the State Capitol complex.
- Part II consists of 84 connection sites. These include separate fiber optic lines from the respective regional center to each of the remaining counties. These sites are typically known as the County Points of Presence.

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- Part III as proposed will involve the connection of at least 474 additional sites in Fiscal Years 1996 to 1999 with approximate costs as follows:
 - FY 1996 - 102 sites at \$18.5 million.
 - FY 1997 - 131 sites at \$20.8 million.
 - FY 1998 - 117 sites at \$21.5 million.
 - FY 1999 - 124 sites at \$20.0 million.

Parts I and II of the ICN have been completed at a cost of \$97.5 million which was funded by Certificates of Participation. Parts I and II are typically referred to as the “backbone” of the Network and the connections are owned by the State. **Attachment A** is a map illustrating the “backbone” connections. The Part III connections will be constructed by private vendors and most will be leased by the State, except for certain sites (approximately 21) that will be owned by the State as the result of a National Guard ICN project. The majority of the Part III sites will be K-12 schools. Seven libraries will be connected as part of a pilot project in Fiscal Years 1996 through 1998, but remaining library connections (approximately 80) will be postponed to FY 1999.

House File 578 (ICN Part III Appropriations Act) contained the following significant appropriations and provisions:

- \$18.5 million from the Rebuild Iowa Infrastructure Account to allow connection of 102 sites in FY 1996.
- \$1.7 million from the General Fund, allocated to the following:
 - \$250,000 and 5.0 FTE positions to Iowa Public Television to provide support relating to the ICN, such as scheduling for video classrooms; design, preparation, and support of interactive classrooms; development of a central information source on the INTERNET relating to the ICN; and coordinating the work of the Educational Telecommunications Council.
 - \$1.2 million to Iowa Public Television for the 15 Regional Telecommunications Councils to provide staff development for educators, staff development for educational uses of the INTERNET and other on-line services, technical assistance for ICN classrooms, and other related activities.
 - \$250,000 to the University of Northern Iowa to coordinate staff development for educators using educational technology.
- \$250,000 from the Rebuild Iowa Infrastructure Account to provide ICN connections to the Iowa Braille and Sightsaving School and the Iowa School for the Deaf.
- \$100,000 and 2.0 FTE positions from the General Fund to the Department of Public Defense for technical assistance in operating the ICN classroom located at the National Guard State Area Command (STARC) Armory in Johnston.

CURRENT SITUATION

The following activities have occurred in relation to implementation of Part III since July 1, 1995:

- The first Part III school connection was completed and came on-line in August at the Ida Grove/Battle Creek Community School. **Attachment B** shows a listing of the Part III connections to be completed in Fiscal Years 1996 to 1999.
- The ICN staff, in conjunction with Iowa Public Television, held workshops with K-12 schools scheduled to be connected during FY 1996 and FY 1997 to provide information about setting up an ICN classroom, scheduling, and other ICN items.

- The Educational Telecommunications Council and Iowa Public Television coordinated the development of plans from each of the 15 Regional Telecommunications Councils regarding use of the \$1.2 million appropriated for staff development. Each region has submitted a plan and the plans have been approved by the Council. The appropriation will be divided equally among all 15 regions with each receiving \$80,000.
- The Center for Educational Technology at the University of Northern Iowa will use the \$250,000 appropriation received to establish the Iowa Educational Technology Training Institute. The Institute will use a partnership approach in planning, coordinating, delivering, and evaluating educational technology training on a statewide basis. The partnership will include a variety of educational resource entities, such as the Department of Education, area education agencies, ICN staff, information technology companies, educators, students, parents, and others.

ALTERNATIVES

The General Assembly may wish to consider the following alternatives in regard to Part III:

1. Continue implementation of Part III as proposed. Continuation of the current plan will require a minimum of \$20.0 million to \$22.0 million per fiscal year through FY 1999 for additional Part III sites, as well as approximately \$13.7 million per year for debt service on Parts I and II.
2. Discontinue the current plan and devise an alternate plan. This could mean increased or decreased State funding for Part III sites.
3. Consider purchase of future Part III sites rather than leasing.
4. Consider selling the ICN or converting the ICN to a public utility. Recommendations regarding this alternative are to be submitted to the General Assembly by the Iowa Telecommunications and Technology Commission by November 1, 1995, as required by HF 461 (Study of Sale of ICN or Conversion to a Public Utility).

BUDGET IMPACT

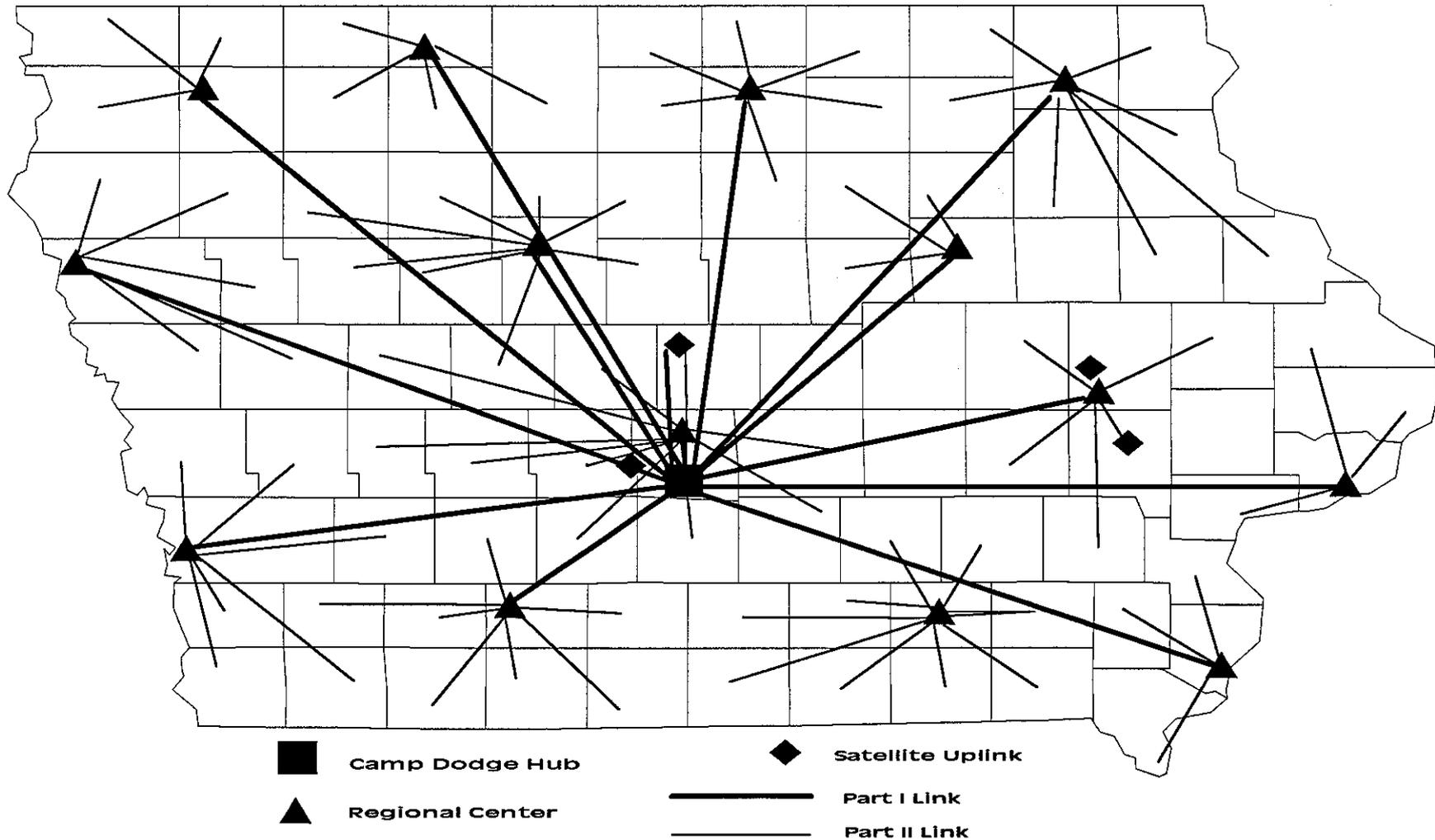
The current Part III plan as proposed is estimated to cost \$94.7 million. In Fiscal Years 1996 to 1999 this includes \$80.9 million for establishing leased connections of 474 sites. Additional lease costs in years five through eight (FY 2000 - FY 2005) would be \$13.8 million. In addition, the State will be required to fund the net debt service of Parts I and II which is estimated at \$13.7 million per year through FY 2005. Lease payments after Fiscal Year 2005 will need to be negotiated with respective vendors.

The General Assembly will need to resolve the issue of ICN rates and whether or not to continue subsidization of the rates. The General Assembly will also need to determine if revenues generated by the ICN will be sufficient to make the ICN a self-supporting entity and offset costs of the Network such as maintenance, infrastructure replacement, and the Iowa Telecommunications and Technology Commission staff.

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ICN Part III Implementation

Iowa Communications Network "Backbone" - Parts I and II



Iowa Communications Network
Part III Plan
By Merged Area

Total Cou	Merged Area	Site #	Part III Site	Location	Site Type	Site by Site Vendor	Vendor Name	Merged Area Vendor	Projected Connection Year
1	6	3	Ackley-Geneva High School	Ackley	s	17	U.S. West		1996
2	6	13	AEA 6	Marshalltown	a		McLeod	11	1996
3	7	3	AEA 7	Cedar Falls	a		McLeod	11	1996
4	6	4	Alden Community High School	Alden	s		McLeod	11	1996
5	5	31	Arrowhead AEA	Fort Dodge	a		State Owned		1996
6	9	26	Assumption High School	Davenport	s		State Owned		1996
7	6	1	BCLUW High School	Conrad	s		McLeod	11	1996
8	2	28	Belmond-Klemme Comm. High School	Belmond	s		McLeod	168	1996
9	4	13	Boyden-Hull Jr-Sr High	Hull	s	71	Mutual Telephone - Sioux Center		1996
10	13	9	Boyer Valley Comm. High School	Dunlap	s	162	MFS		1996
11	6	14	Brooklyn-Guernsey-Malcom Jr-Sr High School	Brooklyn	s		McLeod	11	1996
12	16	1	Burlington Community High School	Burlington	s		State Owned		1996
13	2	12	Cal Community High School	Latimer	s		McLeod	168	1996
14	9	8	Calamus-Wheatland SEC Attendance Center	Wheatland	s	126	F & B Telephone - Wheatland		1996
15	10	54	Cedar Rapids Comm. Schools Ad. Bldg.	Cedar Rapids	o		McLeod	11	1996
16	11	75	Central Campus	Des Moines	s		MWR		1996
17	9	28	Central High School	Davenport	s		State Owned		1996
18	2	9	Charles City High School	Charles City	s		State Owned		1996
19	9	3	Clinton High School	Clinton	s		McLeod	11	1996
20	9	16	Columbus Community High School	Columbus Junction	s	162	MFS		1996
21	2	17	Corwith-Wesley High School	Corwith	s		McLeod	168	1996
22	9	27	Davenport Public Library	Davenport	l		Own Connection		1996
23	12	4	Denison High School	Denison	s	162	MFS		1996
24	11	48	Des Moines Alternative High School North	Des Moines	s		MWR		1996
25	11	49	Des Moines Alternative High School South	Des Moines	s		MWR		1996
26	11	59	Dowling High School	West Des Moines	s		MWR		1996
27	1	15	Dubuque Senior High School	Dubuque	s		City of Dubuque		1996
28	7	23	East Buchanan High School	Winthrop	s	19	East Buchanan Coop		1996
29	11	76	East High School	Des Moines	s		MWR		1996
30	12	29	East High School	Sioux City	s		State Owned		1996
31	6	9	East Marshall Senior High School	Le Grand	s		McLeod	11	1996
32	6	5	Eldora-New Providence Senior High School	Eldora	s		McLeod	11	1996
33	13	35	Elk Horn-Kimballton High School	Elk Horn	s	42	Marne and Elkhorn Telephone Co. Elkhorn		1996
34	3	17	Emmetsburg High School	Emmetsburg	s	132	MFS		1996
35	3	9	Estherville High School	Estherville	s		State Owned		1996
36	11	2	Exira Jr-Sr High School	Exira	s		McLeod	11	1996
37	5	29	Fort Dodge Senior High School	Fort Dodge	s	109	MWR		1996
38	16	14	Fort Madison High School	Fort Madison	s		State Owned		1996
39	10	32	George Washington High School	Cedar Rapids	s	6	Cox Cable - Cedar Rapids		1996
40	6	20	Gladbrook-Reinbeck Middle School	Gladbrook	s		McLeod	11	1996
41	6	17	GMG Jr-Sr High School	Garwin	s		McLeod	11	1996
42	10	30	Grant Wood AEA	Cedar Rapids	a	6	Cox Cable - Cedar Rapids		1996
43	16	3	Great River AEA	Burlington	a		McLeod	11	1996
44	14	21	Green Valley AEA	Creston	a	132	MFS		1996
45	2	8	Greene Jr-Sr High School	Greene	s		McLeod	168	1996
46	13	3	Griswold Jr-Sr High School	Griswold	s	49	Griswold Coop Phone Co.		1996
47	1	7	Guttenburg Community Jr-Sr High School	Guttenburg	s	17	U.S. West		1996
48	10	13	H-L-V Middle-Senior High School	Victor	s	40	Cooperative Telephone Company - Victor		1996
49	3	4	Harris-Lake Park High School	Lake Park	s		MFS	132	1996
50	11	53	Heartland AEA	Johnston	a		State Owned		1996
51	1	17	Hempstead High School	Dubuque	s		City of Dubuque		1996
52	11	77	Hoover High School	Des Moines	s		MWR		1996

*Merged Area Vendor for areas 3,4,5, and 12 is MFS. Merged Area Vendor for areas 1,2,6,7,9,10,11,13,14,15, and 16 is McLeod.

Iowa Communications Network
Part III Plan
By Merged Area

Total Cou	Merged Area	Site #	Part III Site	Location	Site Type	Site by Site Vendor	Vendor Name	Merged Area Vendor	Projected Connection Year
53	6	6	Hubbard-Radcliffe High School	Hubbard	s	140	Hubbard Coop		1996
54	12	9	Ida Grove Senior High School	Ida Grove	s	132	MFS		1996
55	10	56	Iowa City Alternative High School	Iowa City	s		McLeod	11	1996
56	6	7	Iowa Falls High School	Iowa Falls	s		McLeod	11	1996
57	11	51	Johnston High School	Johnston	s		MWR		1996
58	16	17	Keokuk High School	Keokuk	s		McLeod	11	1996
59	2	23	Lake Mills Senior High School	Lake Mills	s		McLeod	168	1996
60	3	16	Lakeland AEA	Cylinder	a		MFS	132	1996
61	11	78	Lincoln High School	Des Moines	s		MWR		1996
62	13	24	Loess Hills AEA	Council Bluffs	a	17	U.S. West		1996
63	10	42	Marion High School	Marion	s	6	Cox Cable - Cedar Rapids		1996
64	6	11	Marshalltown High School	Marshalltown	s		McLeod	11	1996
65	2	3	Mason City High School	Mason City	s		State Owned		1996
66	10	50	Metro High School	Cedar Rapids	s		McLeod	11	1996
67	9	25	Mississippi Bend AEA	Bettendorf	a		McLeod	11	1996
68	6	16	Montezuma High School	Montezuma	s	39	Montezuma Mutual		1996
69	9	18	Muscatine High School	Muscatine	s	20	Muscatine Water & Power		1996
70	2	27	North Central Jr-Sr High School	Manly	s	17	U.S. West		1996
71	11	79	North High School	Des Moines	s		MWR		1996
72	2	22	North Iowa High School	Buffalo Center	s	29	Winnebago Coop		1996
73	9	31	North Scott Senior High School	Eldridge	s		Own connection		1996
74	2	2	Northern Trails AEA	Clear Lake	a	123	Clear Lake Telephone		1996
75	16	4	Notre Dame High School	Burlington	s		State Owned		1996
76	1	34	Office of Educational Services	Dubuque	o		City of Dubuque		1996
77	11	50	Orchard Place Campus School	Des Moines	s		MWR		1996
78	15	22	Ottumwa High School	Ottumwa	s		McLeod	168	1996
79	11	14	Perry High School (NG Site)	Perry	s		State Owned		1996
80	10	35	Prairie High School	Cedar Rapids	s		State Owned		1996
81	2	11	Rockford Jr-Sr High School	Rockford	s		McLeod	168	1996
82	2	6	Rockwell-Swaledale High School	Rockwell	s		McLeod	168	1996
83	11	80	Roosevelt High School	Des Moines	s		MWR		1996
84	11	47	Saydel High School	Des Moines	s		MWR		1996
85	12	25	Sergeant Bluff-Luton Senior High School	Sergeant Bluff	s		State Owned		1996
86	2	14	Sheffield-Chapin Comm. High School	Sheffield	s		McLeod	168	1996
87	4	7	Sheldon High School	Sheldon	s		State Owned		1996
88	4	17	Sioux Center High School	Sioux Center	s	26	Mutual Telephone - Sioux Center		1996
89	15	24	Southern Prairie AEA	Ottumwa	a		State Owned		1996
90	3	2	Spencer High School	Spencer	s	54	Spencer Municipal Utilities		1996
91	2	20	St. Ansgar High School	St. Ansgar	s		McLeod	168	1996
92	5	32	St. Edmond High School	Fort Dodge	s	109	MWR		1996
93	10	28	Thomas Jefferson High School	Cedar Rapids	s	6	Cox Cable - Cedar Rapids		1996
94	13	32	Treynor Jr-Sr High School	Treynor	s	162	MFS		1996
95	11	81	Urbandale High School	Urbandale	s		MWR		1996
96	14	13	Villisca Community High School	Villisca	s		State Owned		1996
97	11	82	WDM Comm. Sch. Dis. Learning Ctr.	West Des Moines	s		MWR	11	1996
98	5	18	Webster City High School	Webster City	s	14	Webster City		1996
99	6	2	Wellsburg-Steamboat Rock High School	Wellsburg	s		McLeod	11	1996
100	2	16	West Hancock High School	Britt	s		McLeod	168	1996
101	6	10	West Marshall High School	State Center	s		McLeod	11	1996
102	12	28	Western Hills AEA	Sioux City	a	132	MFS		1996
103	2	18	Woden-Crystal Lake Jr-Sr High School	Crystal Lake	s	29	Winnebago Coop		1996
104	13	22	A-H-S-T Jr-Sr High School	Avoca	s		McLeod	11	1997
105	13	40	A-H-S-T Junior High School	Shelby	s		McLeod	11	1997
106	13	25	Abraham Lincoln High School	Council Bluffs	s		McLeod	11	1997
107	11	19	Adair-Casey Jr-Sr High School	Adair	s		McLeod	11	1997

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Iowa Communications Network
Part III Plan
By Merged Area

Total Cou	Merged Area	Site #	Part III Site	Location	Site Type	Site Vendor	Site by Site Vendor Name	Merged Area Vendor	Projected Connection Year
108	10	27	Alburnett Jr/Sr High School	Alburnett	s	33	Farmer's		1997
109	10	21	Amana-Clear Creek High School	Tiffin	s		McLeod	11	1997
110	10	53	Amana-Clear Creek Middle School	Middle Amana	s		McLeod	11	1997
111	10	22	Anamosa High School	Anamosa	s		McLeod	11	1997
112	13	2	Anita Jr-Sr High School	Anita	s		McLeod	11	1997
113	11	42	Ankeny High School	Ankeny	s		McLeod	11	1997
114	13	1	Atlantic Carnegie Public Library	Atlantic	l		McLeod	11	1997
115	11	24	Baxter High School	Baxter	s		McLeod	11	1997
116	10	1	Belle Plaine Sr High School	Belle Plaine	s		McLeod		1997
117	2	29	Belmond Public Library	Belmond	l	55	Vista		1997
							Telephone - FT. Dodge		
118	10	3	Benton Community Senior High School	Van Horn	s		McLeod	11	1997
119	9	23	Bettendorf High School	Bettendorf	s		McLeod	11	1997
120	11	44	Bondurant-Farrar Jr-Sr High School	Boundurant	s		McLeod	11	1997
121	11	3	Boone High School	Boone	s		McLeod	11	1997
122	13	4	C and M Jr-Sr High School	Massena	s		McLeod	11	1997
123	15	21	Cardinal High School	Eldon	s		McLeod	168	1997
124	11	67	Carlisle Schools	Carlisle	s		McLeod	11	1997
125	11	7	Carroll High School	Carroll	s		McLeod	11	1997
126	7	1	Cedar Falls High School	Cedar Falls	s	70	Cedar Falls Utilities		1997
127	10	36	Center Point-Urbana High School	Center Point	s	33	Farmer's Mutual - Shellsburg		1997
128	15	1	Centerville High School	Centerville	s		McLeod	168	1997
129	10	37	Central City High School	Central City	s		McLeod	11	1997
130	13	17	Clarinda High School	Clarinda	s		McLeod	11	1997
131	11	64	Collins-Maxwell Community High School	Maxwell	s		McLeod	11	1997
132	11	61	Colo Senior High School	Colo	s		McLeod	11	1997
133	11	10	Coon Rapids-Bayard High School	Coon Rapids	s		McLeod	11	1997
134	10	51	DRM	Millerburg	s		McLeod	11	1997
135	11	30	Earlham Senior High School	Earlham	s		McLeod	11	1997
136	15	20	Eddyville Senior High School	Eddyville	s		McLeod	168	1997
137	10	10	English Valleys High School	North English	s		McLeod	11	1997
138	13	19	Essex Jr-Sr High School	Essex	s	162	MFS		1997
139	13	5	Farragut Senior High School	Farragut	s		McLeod	11	1997
140	15	19	Fox Valley High School	Milton	s	64	Citizen's Mutual - Bloomfield		1997
141	15	29	Fremont Middle School	Fremont	s		McLeod	168	1997
142	13	8	Fremont-Mills Middle & Senior High School	Tabor	s	162	MFS		1997
143	11	62	Gilbert Jr-Sr High School	Gilbert	s		McLeod	11	1997
144	13	6	Hamburg Jr-Sr High School	Hamburg	s		McLeod	11	1997
145	15	17	Harmony High School	Farmington	s		McLeod	168	1997
146	10	49	Highland High School	Riverside	s		McLeod	11	1997
147	11	32	Interstate 35 High School	Truro	s		McLeod	11	1997
148	10	15	Iowa City High School	Iowa City	s		McLeod	11	1997
149	10	45	Iowa Mennonite School	Kalona	s		McLeod	11	1997
150	10	11	Iowa Valley Jr-Sr High School	Marengo	s		McLeod	11	1997
151	13	37	Irwin-Kirkman-Manilla High School	Manilla	s	84	Manilla Telephone Co.		1997
152	7	21	Jesup High School	Jesup	s	9	Farmer's Mutual Coop Jesep		1997
153	10	31	John F Kennedy High School	Cedar Rapids	s	6	Cox Cable - Cedar Rapids		1997
154	13	38	Kanesville High School	Council Bluffs	s		McLeod	11	1997
155	15	8	Keota High School	Keota	s		McLeod	168	1997
156	11	35	Knoxville High School (NG fiber 1996)	Knoxville	s		State Owned		1997
157	11	9	Kuemper High School	Carroll	s		McLeod	11	1997
158	10	33	La Salle High School	Cedar Rapids	s	6	Cox Cable - Cedar Rapids		1997
159	5	22	Laurens-Marathon High School	Laurens	s		MFS	132	1997
160	13	26	Lewis Central Senior High School	Council Bluffs	s		State Owned	11	1997
161	15	26	Lineville-Cilo Jr-Sr High School	Lineville	s	10	Grand River Phone - Princeton, Mo.		1997

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Iowa Communications Network
Part III Plan
By Merged Area

Total Cou	Merged		Part III Site	Location	Site Type	Site by Site		Merged Area Vendor	Projected Connection Year
	Area	Site #				Vendor	Vendor Name		
162	10	40	Linn-Mar High School	Marion	s	6	Cox Cable - Cedar Rapids	11	1997
163	10	39	Lisbon High School	Lisbon	s		McLeod	11	1997
164	13	10	Logan-Magnolia Jr-Sr High School	Logan	s		McLeod	11	1997
165	11	29	Lynnville-Sully High School	Sully	s		McLeod	11	1997
166	11	5	Madrid High School	Madrid	s		McLeod	11	1997
167	13	16	Malvern Jr-Sr High School	Malvern	s		McLeod	11	1997
168	11	12	Manning High School	Manning	s		McLeod	11	1997
169	10	41	Marion Carnegie Library	Marion	l		McLeod	11	1997
170	11	70	Martensdale-St. Marys Jr-Sr High School	Martensdale	s		McLeod	11	1997
171	11	37	Melcher-Dallas High School	Melcher	s		McLeod	11	1997
172	10	48	Mid-Prairie High School	Wellman	s		McLeod	11	1997
173	10	24	Monticello High School	Monticello	s		McLeod	11	1997
174	15	4	Moulton-Udell High School	Moulton	s	24	Farmers Mut. Coop - Moulton		
175	10	43	Mount Vernon High School	Mount Vernon	s		McLeod	11	1997
176	11	65	Nevada High School	Nevada	s		McLeod	11	1997
177	13	15	Nishna Valley Jr-Sr High School	Hastings	s	17	U.S. West		1997
178	10	5	North Cedar Middle School	Clarence	s		McLeod	11	1997
179	10	6	North Cedar Senior High School	Stanwood	s		McLeod	11	1997
180	9	29	North High School	Davenport	s		McLeod	11	1997
181	15	14	North Mahaska Jr-Sr High School	New Sharon	s		McLeod	168	1997
182	11	41	North Polk Jr-Sr High School	Alleman	s		McLeod	11	1997
183	11	71	Norwalk Senior High School	Norwalk	s		McLeod	11	1997
184	10	52	Norway Elementary School	Norway	s	74	South Slope Phone Co. - Norway		1997
185	11	6	Ogden High School	Ogden	s		McLeod	11	1997
186	10	25	Olin Jr-Sr High School	Olin	s	171	Olin Telephone		1997
187	11	22	Panorama High School	Panora	s	82	Panora Coop Telephone		1997
188	15	9	Pekin Community High School	Packwood	s	162	MFS		1997
189	11	39	Pella Christian High School	Pella	s		McLeod	11	1997
190	15	3	PK-12 Community School	Moravia	s		McLeod	168	1997
191	11	54	Pleasant Hill Public Library	Pleasant Hill	l		McLeod	11	1997
192	9	32	Pleasant Valley High School	Pleasant Valley	s		McLeod	11	1997
193	11	40	Pleasantville High School	Pleasantville	s		McLeod	11	1997
194	14	11	Red Oak High School	Red Oak	s	132	MFS		1997
195	10	18	Regina High School	Iowa City	s		McLeod	11	1997
196	10	34	Regis High School	Cedar Rapids	s		McLeod	11	1997
197	13	30	Riverside High School	Oakland	s		McLeod	11	1997
198	11	66	Roland-Story High School	Story City	s		McLeod	11	1997
199	15	13	Russell High School	Russell	s		McLeod	168	1997
200	15	27	Seymour High School	Seymour	s		McLeod	168	1997
201	13	20	Shenandoah High School	Shenandoah	s		McLeod	11	1997
202	10	20	Solon Junior-Senior High School	Solon	s		McLeod	11	1997
203	13	18	South Page Senior High School	College Springs	s		McLeod	11	1997
204	11	55	Southeast Polk High School	Runnels	s		McLeod	11	1997
205	11	69	Southeast Warren Jr-Sr High School	Liberty Center	s		McLeod	11	1997
206	10	44	Springville Jr-Sr High School	Springville	s		McLeod	11	1997
207	13	27	St. Albert Secondary School	Council Bluffs	s		McLeod	11	1997
208	11	23	Stuart-Mentio High School	Stuart	s		McLeod	11	1997
209	1	33	<u>The Forum</u>	Dubuque	o		City of Dubuque		1997
210	13	23	Thomas Jefferson High School	Council Bluffs	s		McLeod	11	1997
211	10	7	Tipton High School	Tipton	s		McLeod	11	1997
212	13	29	Tri-Center High School	Neola	s	17	U.S. West		1997
213	15	11	Tri-County High School	Thornburg	s		McLeod	168	1997
214	11	34	Twin Cedars Jr-Sr High School	Bussey	s		McLeod	11	1997
215	13	33	Underwood High School	Underwood	s		McLeod	11	1997
216	7	7	Union High School	La Porte City	s	35	LaPorte City Telephone		1997
217	11	57	Valley High School	West Des Moines	s		MWR		1997
218	11	16	Van Meter Jr-Sr High School	Van Meter	s		McLeod	11	1997
219	2	7	<u>Ventura Jr-Sr High School</u>	Ventura	s	123	Clear Lake Independent		1997
220	13	39	Vocational Technical TV Center	Council Bluffs	s		McLeod	11	1997

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Total Cou	Merged Area	Site #	Part III Site	Location	Site Type	Site Vendor	Site Vendor Name	Merged Area Vendor	Projected Connection Year
221	13	34	Walnut Jr-Sr High School	Walnut	s		McLeod	11	1997
222	10	4	Washington High School	Vinton	s		McLeod	11	1997
223	11	17	Waukee Senior High School	Waukee	s		McLeod	11	1997
224	10	9	West Branch High School	West Branch	s	105	West Liberty Phone		1997
225	13	12	West Harrison High School	Mondamin	s		McLeod	11	1997
226	9	30	West High School	Davenport	s		McLeod	11	1997
227	10	17	West Senior High School	Iowa City	s		McLeod	11	1997
228	10	14	Williamsburg Jr-Sr High School	Williamsburg	s	162	MFS		1997
229	13	13	Woodbine High School	Woodbine	s		McLeod		1997
230	11	18	Woodward-Granger High School	Woodward	s		McLeod	11	1997
231	12	14	Akron-Westfield Senior High School	Akron	s		MFS	132	1998
232	5	1	Albert City - Truesdale High School	Albert City	s		MFS	132	1998
233	3	11	Algona High School	Algona	s	17	U.S. West		1998
234	5	2	Alta Senior High School	Alta	s	17	U.S. West		1998
235	7	34	Aplington Middle School	Aplington	s		McLeod	11	1998
236	7	25	Aplington-Parkersburg High School	Parkersburg	s	17	U.S. West		1998
237	12	7	AR-WE-VA Jr-Sr High School	Westside	s		MFS	132	1998
238	3	8	Armstrong-Ringsted High School	Armstrong	s		MFS	132	1998
239	12	1	Aurelia High School	Aurelia	s		MFS	132	1998
240	1	19	Beckman High School	Dyersville	s		McLeod	11	1998
241	3	13	Bishop Garrigan High School	Algona	s	132	MFS		1998
242	12	32	Bishop Heelan Catholic High School	Sioux City	s	59	Sooland Cable		1998
243	14	2	Bridgewater-Fontanelle Jr-Sr High School	Fontanelle	s		McLeod		1998
244	3	26	Burt Elementary School	Burt	s		MFS	132	1998
245	1	16	Carnegie-Stout Public Library	Dubuque	l		City of Dubuque		1998
246	1	14	Cascade Jr-Sr High School	Cascade	s	75	Cascade Telephone		1998
247	12	26	Central Campus Learning Center	Sioux City	s	59	Sooland Cable		1998
248	1	5	Central Community Jr-Sr High School	Elkader	s		McLeod	11	1998
249	14	9	Central Decatur Jr-Sr High School	Leon	s	10	Grand River - Princeton, Mo.		1998
250	16	13	Central High School	Donnellson	s		McLeod	11	1998
251	12	3	Charter Oak-Ute High School	Charter Oak	s		MFS	132	1998
252	5	34	Clarion Elementary/Middle School	Clarion	s		MFS	132	1998
253	14	4	Clarke Community High School	Osceola	s		McLeod	168	1998
254	7	24	Clarksville High School	Clarksville	s		McLeod	11	1998
255	3	1	Clay-Central-Everyly High School	Everyly	s	165	United Farmers Telephone - Everyly		1998
256	2	1	Clear Lake High School	Clear Lake	s	123	Clear Lake Telephone		1998
257	14	24	Clearfield Community School	Clearfield	s		McLeod	168	1998
258	7	13	Columbus High School	Waterloo	s		McLeod	11	1998
259	14	19	Creston High School	Creston	s		McLeod	168	1998
260	16	5	Danville Junior-Senior High School	Danville	s		McLeod	11	1998
261	1	30	Decorah High School	Decorah	s		McLeod	11	1998
262	7	14	Denver Jr-Sr High School	Denver	s		McLeod	11	1998
263	11	15	Dexfield Jr-Sr High School	Redfield	s		McLeod	11	1998
264	14	14	Diagonal Jr-Sr High School	Diagonal	s		McLeod	168	1998
265	7	28	Dike-New Hartford High School	Dike	s		McLeod	11	1998
266	7	8	Don Bosco High School	Gilbertville	s		McLeod	11	1998
267	5	35	Dows Jr-Sr High School	Dows	s		MFS	132	1998
268	7	4	Dunkerton High School	Dunkerton	s	4	Dunkerton Coop		1998
269	5	13	East Greene Community School	Grand Junction	s	90	Jefferson Telephone		1998
270	7	9	East High School	Waterloo	s		McLeod	11	1998
271	12	12	East Monona Jr-Sr High School	Moorhead	s		MFS	132	1998
272	14	18	East Union Jr-Sr High School	East Union	s		McLeod	168	1998
273	1	12	Edgewood-Colesburg Jr-Sr High School	Edgewood	s		McLeod	11	1998
274	7	32	EXPO High School	Waterloo	s		McLeod	11	1998
275	1	4	Fredricksburg High School	Fredricksburg	s		McLeod	11	1998
276	12	8	Gaiva-Holstein High School	Holstein	s		MFS	132	1998
277	1	6	Gamavillo Jr-Sr High School	Gamavillo	s		McLeod	11	1998

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Total Cou	Merged Area	Site #	Part III Site	Location	Site Type	Site by Site		Merged Area	Projected Connection
						Vendor	Vendor Name		
278	12	17	Gehlen Catholic School Inc. (NG fiber 1996)		s		State Owned		1998
279	7	29	Gladbrook-Reinbeck High School	Reinbeck	s		McLeod	11	1998
280	3	18	Graettinger Senior High School	Graettinger	s		MFS	132	1998
281	7	6	Hudson High School	Hudson	s		McLeod	11	1998
282	7	15	Janesville Jr-Sr High School	Janesville	s		McLeod	11	1998
283	1	2	John R Mott High School	Postville	s		McLeod	11	1998
284	1	1	Kee High School	Lansing	s	17	U.S. West		1998
285	12	16	Kingsley High School	Kingley	s		MFS	132	1998
286	5	25	Lake View-Auburn High School	Lake View	s	154	Schaller Telephone		1998
287	12	23	Lawton Jr-Sr High School	Lawton	s		MFS	132	1998
288	14	15	Lenox High School	Lenox	s		McLeod	168	1998
289	3	24	LuVerne Middle School & Elem. School Bldg.	LuVerne	s		MFS	132	1998
290	3	28	Mallard Elementary/Middle School	Mallard	s		MFS		1998
291	5	9	Manson-NW Webster High School	Manson	s		MFS	132	1998
292	1	11	Maquoketa Valley Senior High School	Delhi	s		McLeod	11	1998
293	16	20	Marquette Schools	West Point	s		McLeod	11	1998
294	16	6	Mediapolis High School	Mediapolis	s		McLeod	11	1998
295	1	9	MFL-MAR-MAC High School	Monona	s		McLeod	11	1998
296	10	26	Midland Community School High School	Wyoming	s		McLeod		1998
297	14	7	Mommon Trail Jr-Sr High School	Garden Grove	s	10	Grand River - Princeton, Mo.		1998
298	16	24	Morning Sun Elementary School	Morning Sun	s		McLeod	11	1998
299	16	8	Mount Pleasant High School	Mount Pleasant	s		McLeod	11	1998
300	14	5	Murray Jr-Sr High School	Murray	s	132	MFS		1998
301	7	26	Nashua-Plainfield High School	Nashua	s		McLeod	11	1998
302	7	35	New Hartford-Dike Junior High	New Hartford	s		McLeod	11	1998
303	16	9	New London Jr-Sr High School	New London	s		McLeod	11	1998
304	5	3	Newell-Fonda High School	Newell	s		MFS	132	1998
305	2	5	Newman Catholic High School	Mason City	s	17	U.S. West		1998
306	11	27	Newton Senior High School (NG fiber 1996)	Newton	s		State Owned		1998
307	2	10	Nora Springs-Rock Falls Jr-Sr High School	Nora Springs	s	130	Farmers Mutual Telephone, Nora Springs		1998
308	1	25	North Fayette High School	West Union	s		McLeod	11	1998
309	12	30	North High School	Sioux City	s	59	Sooland Cable		1998
310	3	15	North Kossuth Senior High School	Swea City	s		MFS	132	1998
311	7	31	North Tama High School	Traer	s		McLeod	11	1998
312	1	32	North Winneshiek Jr. Sr. High School	Decorah	s		McLeod	11	1998
313	5	15	Northeast Hamilton High School	Blairsburg	s		MFS	132	1998
314	5	26	Odebolt-Arthur High School	Odebolt	s		MFS	132	1998
315	3	5	Okoboji High School	Milford	s		MFS	132	1998
316	14	3	Orient-Macksburg Senior High School	Orient	s		McLeod	168	1998
317	5	12	Paton-Churdan Jr-Sr High School	Churdan	s	23	Webster - Calhoun Coop		1998
318	11	38	Pella High School	Pella	s		McLeod	11	1998
319	7	33	Plainfield Middle School	Plainfield	s	36	Butler Bremmer Phone - Plainfield		1998
320	5	11	Pomeroy High School	Pomeroy	s		MFS	132	1998
321	5	33	Prairie Valley High School	Gowrie	s	23	Webster - Calhoun Coop		1998
322	14	22	Prescott Comm. School District	Prescott	s		McLeod	168	1998
323	12	19	Renssen-Union High School	Remsen	s		MFS	132	1998
324	1	27	Riceville High School	Riceville	s	131	Farmers Telephone, Nora Springs		1998
325	12	22	River Valley High School	Correctionville	s		MFS	132	1998
326	5	36	Robert Blue Middle School	Eagle Grove	s	162	MFS		1998
327	3	20	Ruthven-Ayrshire High School	Ruthven	s		MFS	132	1998
328	5	24	Schaller-Crestland High School	Early	s		MFS	132	1998
329	12	6	Schleswig Middle-Senior High School	Schleswig	s		MFS	132	1998
330	3	14	Senral Senior High School	Fenton	s		MFS	132	1998
331	5	4	Sioux Central High School	Sioux Rapids	s	17	U.S. West		1998
332	5	16	South Hamilton Middle & High School	Jewell	s		MFS	132	1998

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Total Cou	Merged Area	Site #	Part III Site	Location	Site Type	Site by		Merged Area	Projected Connection Year
						Vendor	Vendor Name		
333	1	28	South Winneshiek High School	Calmar	s		McLeod	11	1998
334	5	28	Southeast Webster High School	Burnside	s	32	LeHigh Valley Coop		1998
335	5	8	Southern Cal High School	Lake City	s		MFS	132	1998
336	3	3	Spencer Public Library	Spencer	l	54	Spencer Municipal Utilities		1998
337	5	7	St. Mary High School (N.G. fiber 1996)	Storm Lake	s		State Owned		1998
338	14	12	Stanton High School	Stanton	s	132	MFS		1998
339	1	10	Starmont High School	Arlington	s		McLeod	11	1998
340	5	37	Stratford Elementary School	Stratford	s		MFS	132	1998
341	7	16	Sumner Jr-Sr High School	Sumner	s		McLeod	11	1998
342	7	5	Tech Prep High School	Evansdale	s		McLeod	11	1998
343	3	7	Terril Jr. Sr. High School	Terril	s	120	Terril Telephone Coop		1998
344	3	25	Titonka Elementary/Middle School	Titonka	s		MFS	132	1998
345	7	18	Tripoli Jr-Sr High School	Tripoli	s		McLeod	11	1998
346	1	23	Turkey Valley Jr-Sr High School	Jackson Junction	s	162	MFS		1998
347	5	19	Twin River Valley High School	Bode	s		MFS	132	1998
348	1	21	Valley High School	Elgin	s		McLeod	11	1998
349	16	11	WACO High School	Wayland	s		McLeod	11	1998
350	1	18	Wahlert High School	Dubuque	s		City of Dubuque		1998
351	7	19	Wapsie Valley High School	Fairbank	s	35	LaPorte City Telephone		1998
352	3	21	West Bend-Mallard High School	West Bend	s		MFS	132	1998
353	16	7	West Burlington High School	West Burlington	s		McLeod	11	1998
354	1	24	West Central Jr-Sr High School	Maynard	s		McLeod	11	1998
355	12	31	West High School	Sioux City	s	59	Sooland Cable		1998
356	7	11	West High School	Waterloo	s		McLeod	11	1998
357	12	34	West Monona Jr-Sr High School	Onawa	s		MFS	132	1998
358	1	20	Western Dubuque High School	Epworth	s		McLeod	11	1998
359	12	33	Westwood High School	Sloan	s		MFS	132	1998
360	12	13	Whiting Senior High School	Whiting	s		MFS	132	1998
361	16	12	Winfield-Mt Union Jr-Sr High School	Winfield	s		McLeod	11	1998
362	12	24	Woodbury Central High School	Moville	s		MFS	132	1998
363	9	33	2001 Alternative High School	Davenport	s		McLeod	11	1999
364	3	12	Algona Public Library	Algona	l	17	U.S. West		1999
365	7	38	American Martyrs Retreat House/Conf. Center	Cedar Falls	o	70	Cedar Falls Utilities		1999
366	11	60	Ames Public Library	Ames	l		McLeod	11	1999
367	9	9	Andrew High School	Andrew	s		McLeod	11	1999
368	11	1	Audubon Public Library	Audubon	l		McLeod	11	1999
369	11	20	Bayard Public Library	Bayard	l		McLeod	11	1999
370	10	2	Belle Plaine Comm Library	Belle Plaine	l		McLeod	11	1999
371	9	10	Bellevue High School	Bellevue	s	132	MFS		1999
372	9	11	Bellevue Public Library	Bellevue	l		McLeod	11	1999
373	9	35	Bennett Jr/Sr High School	Bennett	s		McLeod	11	1999
374	9	24	Bettendorf Public Library	Bettendorf	l		McLeod	11	1999
375	16	2	Burlington Public Library	Burlington	l		McLeod	11	1999
376	1	29	Calmar Public Library	Calmar	l	132	MFS		1999
377	9	2	Camanche High School	Camanche	s	132	MFS		1999
378	16	15	Cattermale Memorial Library	Fort Madison	l		McLeod	11	1999
379	7	2	Cedar Falls Public Library	Cedar Falls	l	70	Utilities		1999
380	10	29	Cedar Rapids Public Library	Cedar Rapids	l		McLeod	11	1999
381	7	37	Cedar Valley Catholic Education Office	Waterloo	o		McLeod	11	1999
382	9	5	Central High School	Dewitt	s		McLeod	11	1999
383	15	12	Chariton Free Public Library	Chariton	l	162	MFS		1999
384	9	36	Columbus Jct. Public Library	Columbus Junction	l	162	MFS		1999
385	14	1	Corning Public Library	Corning	l		McLeod	168	1999
386	1	26	Cresco Public Library	Cresco	l		McLeod	11	1999
387	11	13	Dallas Center-Grimes Comm High School	Dallas Center	s		McLeod	11	1999
388	9	38	Davenport Community Schools	Davenport	o		McLeod	11	1999
389	1	31	Decorah Public Library	Decorah	l		McLeod	11	1999
390	11	88	<u>Des Moines Ind. Community Schools</u>	Des Moines	o		MWR		1999
391	11	89	<u>Diocese of Des Moines</u>	Des Moines	o		MWR	11	1999

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Total Cou	Merged		Part III Site	Location	Site Type	Site by		Merged Area	Projected Connection
	Area	Site #				Vendor	Vendor Name		
392									
	12	37	Diocese of Sioux City	Sioux City	o	59	Sooland Cable		
393	9	1	Durant High School	Durant	s		McLeod	11	1999
394	9	13	East Central Community High School	Miles	s		McLeod	11	1999
395	13	31	Eckela Memorial Library	Oakland	l		McLeod	11	1999
396	1	22	Elgin Public Library	Elgin	l	17	U.S. West		1999
397	14	10	Elliott Public Library	Elliott	l		McLeod	168	1999
398	11	4	Ericson Public Library	Boone	l		McLeod	11	1999
399	3	10	Estherville Public Library	Estherville	l	17	U.S. West		1999
400	7	20	Fairbank Public Library	Fairbank	l		McLeod	11	1999
401	15	6	Fairfield Public Library	Fairfield	l		McLeod	168	1999
402	12	11	Fisher-Whiting Memorial Library	Mapleton	l	162	MFS		1999
403	5	30	Fort Dodge Public Library	Fort Dodge	l		MFS		1999
404	2	19	Gamer Public Library	Gamer	l		McLeod	168	1999
405	4	2	George-Little Rock Senior High School	George	s		MFS	132	1999
406	13	14	Glenwood Public Library	Glenwood	l	162	MFS		1999
407	3	19	Graettinger Public Library	Graettinger	l		MFS	132	1999
408	2	30	Greene Public Library	Greene	l		McLeod	168	1999
409	13	7	Hamburg Public Library	Hamburg	l		McLeod	11	1999
410							Harlan Municiple		
	13	36	Harlan Community Library	Harlan	l	22	Utilities		1999
411	4	5	Hartley-Melvin Sanborn High School	Hartley	s		MFS	132	1999
412	4	20	Hawarden Public Library	Hawarden	l		MFS	132	1999
413	10	16	Iowa City Public Library	Iowa City	l		McLeod	11	1999
414	11	28	Jasper County Library	Newton	l		McLeod	11	1999
415	7	22	Jesup Public Library	Jesup	l	9	Farmer's Mutual Coop Jesep		1999
416	11	52	Johnston Public Library	Johnston	l		McLeod	11	1999
417	16	21	Keck Memorial Library	Wapello	l	132	MFS		1999
418	16	19	Keokuk Catholic School	Keokuk	s		State Owned		1999
419	16	18	Keokuk Public Library	Keokuk	l		McLeod	11	1999
420	15	18	Keosauqua Public Library	Keosauqua	l		McLeod	168	1999
421	11	43	Kirkendall Public Library	Ankeny	l		McLeod	11	1999
422	12	18	Le Mars Public Library	Le Mars	l	107	MWR		1999
423	5	20	Livermore Public Library	Livermore	l	17	U.S. West		1999
424	9	17	Louisa-Muscatine Jr-Sr High School	Letts	s		McLeod	11	1999
425	1	13	Manchester Public Library	Manchester	l		McLeod	11	1999
426	5	10	Manson Public Library	Manson	l		MFS	132	1999
427	2	13	Marble Rock Public Library	Marble Rock	l		McLeod	168	1999
428	10	12	Marengo Public Library	Marengo	l		McLeod	11	1999
429	9	12	Marquette High School	Bellevue	s		McLeod	11	1999
430	6	12	Marshalltown Public Library	Marshalltown	l		McLeod	11	1999
431	2	4	Mason City Public Library	Mason City	l	17	U.S. West		1999
432	9	4	Mater Dei High School	Clinton	s	162	MFS		1999
433	14	20	Matilda J Gibson Memorial Library	Creston	l		McLeod	168	1999
434	4	14	Maurice-Orange City Floyd Valley Sr High School	Orange City	s		MFS	132	1999
435	1	8	McGregor Public Library	Mc Gregor	l	17	U.S. West		1999
436	10	55	Metropolitan Office of Catholic Education	Cedar Rapids	o		McLeod	11	1999
437	4	1	MMC High School	Marcus	s		MFS	132	1999
438	5	17	Montgomery Memorial Library	Jewell	l		MFS	132	1999
439	9	19	Musser Public Library	Muscatine	l		McLeod	11	1999
440	16	10	N.J. Nugen Public Library	New London	l		McLeod	11	1999
441	7	27	Nashua Public Library	Nashua	l	17	U.S. West		1999
442	2	21	Nissen Public Library	St. Ansgar	l		McLeod	168	1999
443	12	5	Norellus Community Library	Denison	l		MFS	132	1999
444	9	7	Northeast Jr-Sr High School	Goose Lake	s		McLeod	11	1999
445	11	72	Norwalk Public Library	Norwalk	l		McLeod	11	1999
446	14	6	Osceola Public Library	Osceola	l		McLeod	168	1999
447	15	15	Oskaloosa Public Library	Oskaloosa	l		McLeod	168	1999
448	11	26	PCM High School	Monroe	s		McLeod	11	1999
449	9	14	Preston High School	Preston	s		McLeod	11	1999
450	11	46	Public Library of Des Moines	Des Moines	l		McLeod	11	1999
451									
	6	8	Radcliffe Public Library	Radcliffe	l	140	Hubbard Coop		1999
452	7	30	Reinbeck Public Library	Reinbeck	l		McLeod	11	1999
453	4	4	Rock Rapids Public Library	Rock Rapids	l	132	MFS		1999
454	4	16	Rock Valley Jr-Sr High School	Rock Valley	s	71	Mutual Telephone Sioux Center		1999

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Total Cou	Merged		Part III Site	Location	Site Type	Site by Site		Merged Area Vendor	Projected Connection Year
	Area	Site #				Vendor	Vendor Name		
455	5	27	Sac City Public Library	Sac City	l	162	MFS		1999
456	2	15	Sheffield Public Library	Sheffield	l		McLeod	168	1999
457	4	8	Sheldon Public Library	Sheldon	l	17	U.S. West		1999
458	13	21	Shenandoah Public Library	Shenandoah	l	162	MFS		1999
459	4	9	Sibley Public Library	Sibley	s	132	MFS		1999
460							Mutual Telephone -		
	4	18	Sioux Center Public Library	Sioux Center	l	26	Sioux Center		1999
461	12	27	Sioux City Public Library	Sioux City	l	17	U.S. West		1999
462	4	6	South O'Brien High School	Paullina	s		MFS	132	1999
463	6	15	Stewart Public Library	Grinnell	l	132	MFS		1999
464	5	6	Storm Lake Public Library	Storm Lake	l	109	MWR		1999
465	7	17	Sumner Public Library	Sumner	l		McLeod	11	1999
466	10	8	Tipton Public Library	Tipton	l	162	MFS		1999
467	4	15	Unity Christian High School	Orange City	s		MFS	132	1999
468	10	47	Washington Free Public Library	Washington	l		McLeod	11	1999
469	7	36	Waterloo Community Schools	Waterloo	o		McLeod	11	1999
470	7	10	Waterloo Public Library	Waterloo	l		McLeod	11	1999
471	1	3	Waukon Municipal Library	Waukon	l		McLeod	11	1999
472	3	22	West Bend Public Library	West Bend	l		MFS	132	1999
473	11	58	West Des Moines Public Library	West Des Moines	l		McLeod	11	1999
474	9	20	West Liberty Jr-Sr High School	West Liberty	s		McLeod	11	1999
475	4	3	West Lyon High School	Inwood	s		MFS	132	1999
476	4	11	Western Sioux High School	Hawarden	s	17	U.S. West		1999
477	9	21	Wilton High School	Wilton	s		McLeod	11	1999
478	9	22	Wilton Public Library	Wilton	l		McLeod	11	1999
479	11	33	Winterset Public Library	Winterset	l	162	MFS		1999

Site Type
Codes - a=AEA
s=school
l=library
o= other

Sites which are not leased are shaded

*Merged Area Vendor for areas 3,4,5, and 12 is MFS. Merged Area Vendor for areas 1,2,6,7,9,10,11,13,14,15, and 16 is McLeod.